

GPS Applications

The Remote Sensing Applications Center (RSAC) is pleased to offer its GPS Applications course.

Primary objective:

This course discusses all aspects of GPS mission planning, data collection, post-processing, and data integration with a GIS.

Course Description:

This course provides concepts and skills needed to utilize GPS technology for Resource and Ecosystem Management applications. It provides technical information on the system, and hands-on training with GPS hardware and software, mission planning, data collection, data processing, and database input to GIS. All the skills required in a typical GPS application to support a resource or Ecosystem Management project are addressed. Students may find it useful to bring their own HIGH-END notebooks and their GPS equipment to class.

Target Audience:

Beginning GPS field technicians, project leaders, GIS specialists, and managers involved in Ecosystem Management issues or in field data collection for resource projects.

Prerequisites:

No previous experience required except a willingness to learn in an informal and interactive environment.

Course Duration: 4 days.

Tuition: \$325.

Format: Classroom discussions & computer and field exercises.

Maximum Class Size: 32

Minimum Class Size: 10

What you will learn:

- How to create, collect, store, transfer, edit, analyze, and map ground features using GPS.
- How to use Trimble GPS equipment in the field.
- How to perform office tasks including mission planning, creating data dictionaries, differentially correcting GPS data files, and input data into a GIS.
- How to create and interpret an almanac, and set PDOP mask and proper logging intervals.
- How to plan other vital mission factors: power availability and 2D-3D options.

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